

PROPERTY	TEST METHOD	SI VALUE	U.S. VALUE
<b>MECHANICAL</b>			
Density	ASTM D 3574, Test A	6.4 kg/m <sup>3</sup>	0.4 lb/ft <sup>3</sup>
Tensile Strength	ASTM D 3574, Test E	≥ 59 kPa	≥ 8.5 lb/in <sup>2</sup>
<b>THERMAL</b>			
Thermal Conductivity (k)	ASTM C 518 at mean temperature of 24°C (75°F)	0.043 W/(m·K)	0.30 (BTU·in)/(hr·ft <sup>2</sup> ·°F)
Continuous Use Temperature	Recommended maximum	200°C	400°F
<b>FLAMMABILITY</b>			
Radiant Panel Flame Spread Index	ASTM E 162	2	2
Specific Optical Density of Smoke, D <sub>m</sub> :	ASTM E 662		
Non-flaming		3	3
Flaming		5	5
Surface Burning Characteristics:	ASTM E 84-95		
Flame Spread Index (FSI)	Tested at a thickness of	0	0
Smoke Developed Index (SDI)	22 mm (0.9 in)	5	5
<b>AGING</b>			
Steam Autoclave Aging:	ASTM D 3574, Test J,		
Tensile strength retained	Procedure J <sub>1</sub> and Test E	> 84%	> 84%
Change in weight and dimensions		< 4%	< 4%
<b>ACOUSTICAL</b>			

ACOUSTICAL ABSORPTION COEFFICIENTS FOR FLEXED FOAM  
(metric sabins/m<sup>2</sup> or sabins/ft<sup>2</sup>)  
ASTM C 423 and E 795, Type A Mounting

Thickness		Frequency (Hz)						NRC
		125	250	500	1000	2000	4000	
25 mm	(1 inch)	0.07	0.18	0.61	1.10	1.02	0.93	0.75
50 mm	(2 inches)	0.27	0.59	1.14	1.03	0.90	1.02	0.90